

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/010119 A2

- (51) International Patent Classification⁷: **C09J 161/20**
- (21) International Application Number: **PCT/NL2004/000540**
- (22) International Filing Date: **27 July 2004 (27.07.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
1024010 28 July 2003 (28.07.2003) NL
1024036 4 August 2003 (04.08.2003) NL
1024319 18 September 2003 (18.09.2003) NL
- (71) Applicant (for all designated States except US): **DSM IP ASSETS B.V. [NL/NL];** Het Overloon 1, NL-6411 TE Heerlen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BENTHEM VAN, Rüdolfus, Antonius, Theodorus, Maria [NL/NL];** Sportlaan 9, NL-6141 BR Limbricht (NL). **HAAS DE, Jacob Leendert [NL/NL];** Provencestraat 14, NL-6137 JP Sittard (NL). **KELJZER DE, Augustinus, Eugene, Henk [NL/NL];** Broekstraat 38, NL-6133 BP Sittard (NL). **BONEKAMP, Karel, Franciscus, Hubertus [NL/NL];** Brederodestraat 21, NL-6181 BE Elsloo (NL).
- (74) Agent: **KOSTER, Nico;** DSM Intellectual Property, P.O.Box 9, NL-6160 MA Geleen (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **ADHESIVE COMPOSITION COMPRISING A FORMALDEHYDE-CONTAINING AMINOPLAST RESIN AND A CATALYSING COMPOUND**

(57) Abstract: The invention relates to an adhesive composition comprising a formaldehyde-containing aminoplast resin and a catalysing compound, with the catalysing compound being an acid or is able to release an acid with a pKa lower than 4 and with the formaldehyde-containing aminoplast resin having a F/(NH₂)₂ ratio lower than or equal to 1. The catalysing compound comprises at most 11 wt.% of an ammonium salt. The invention also relates to a process for the preparation of board material using the adhesive composition according to the invention and to the board material thus obtainable.

WO 2005/010119 A2